

FIG. 1

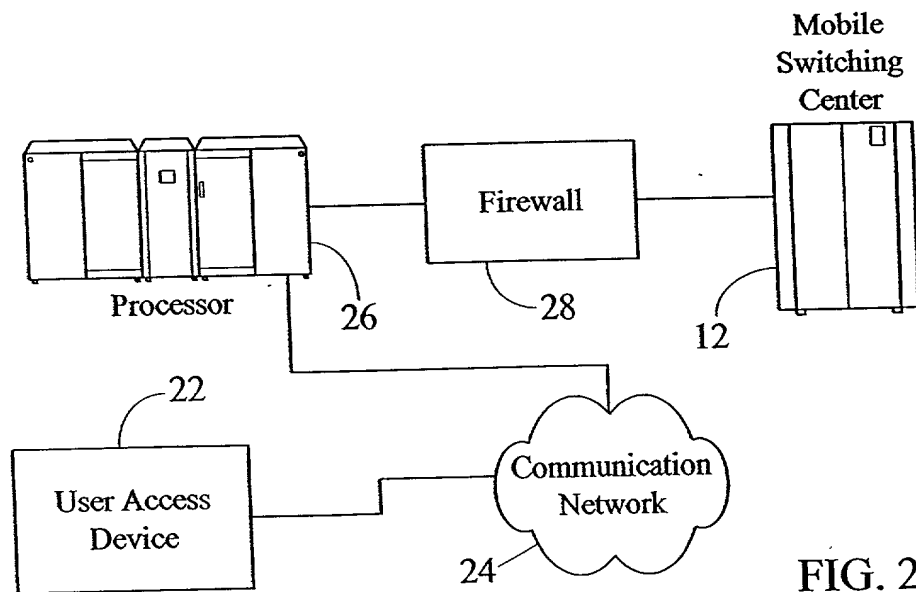


FIG. 2

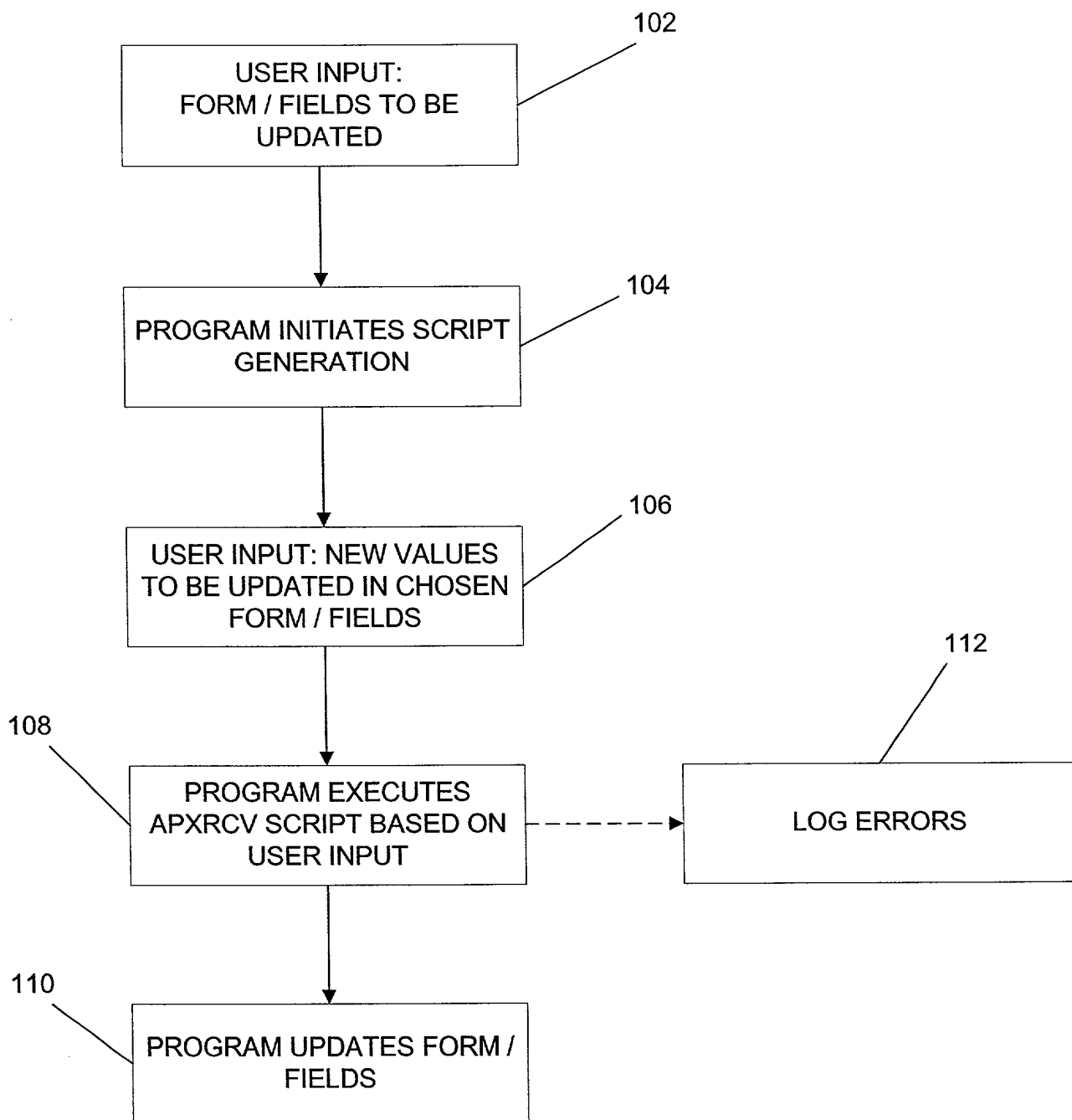


FIG. 3

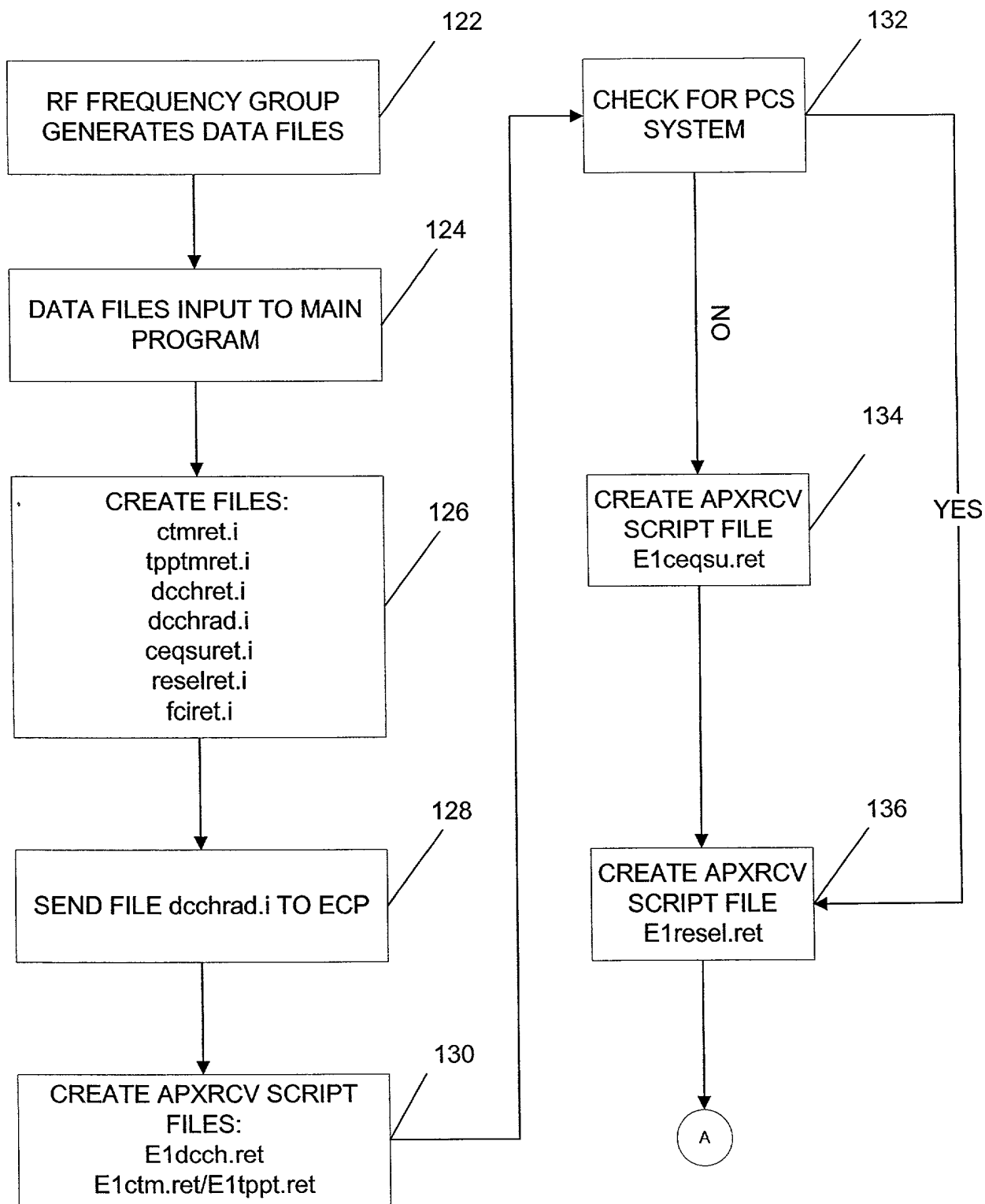


FIG. 4A

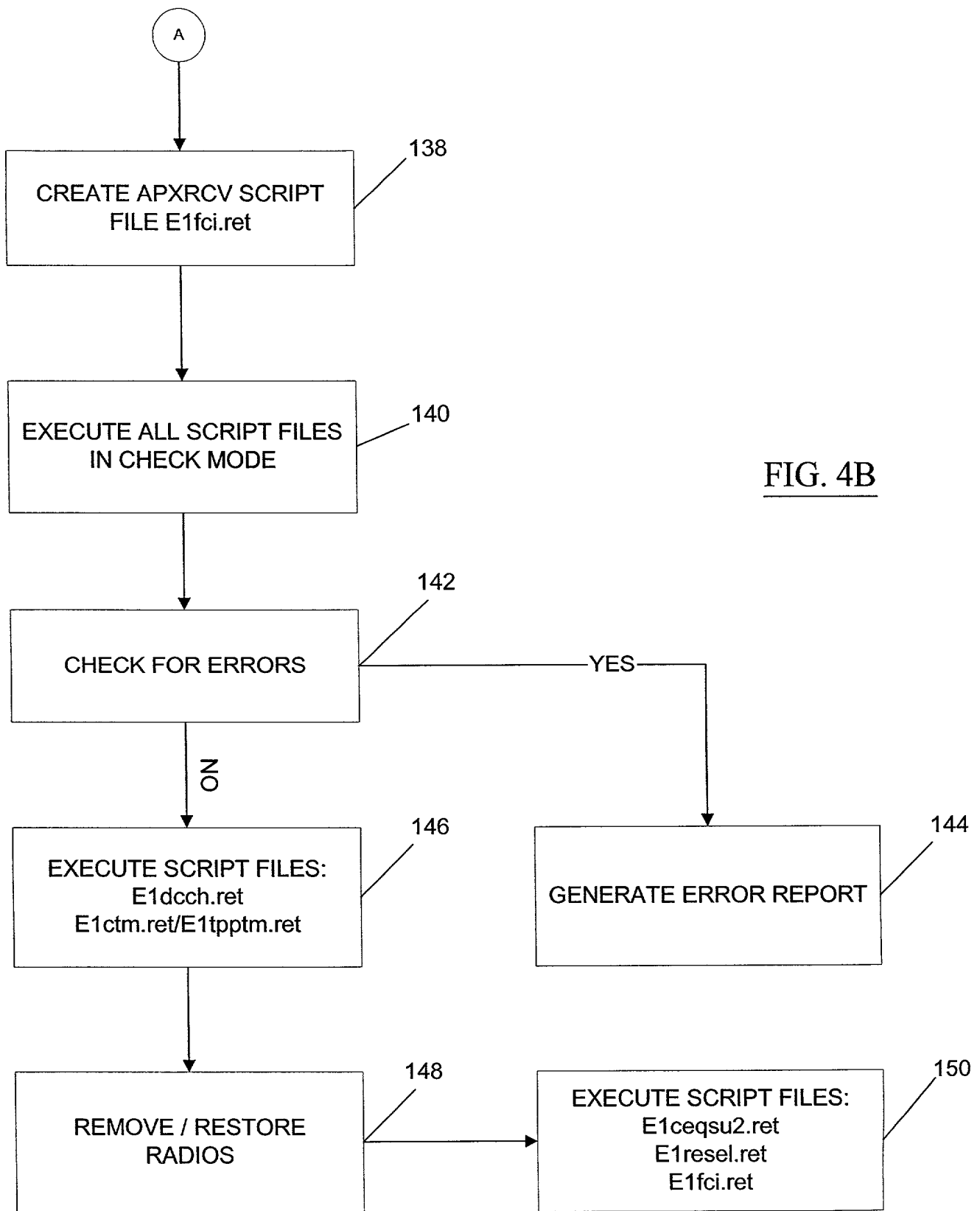


FIG. 4B

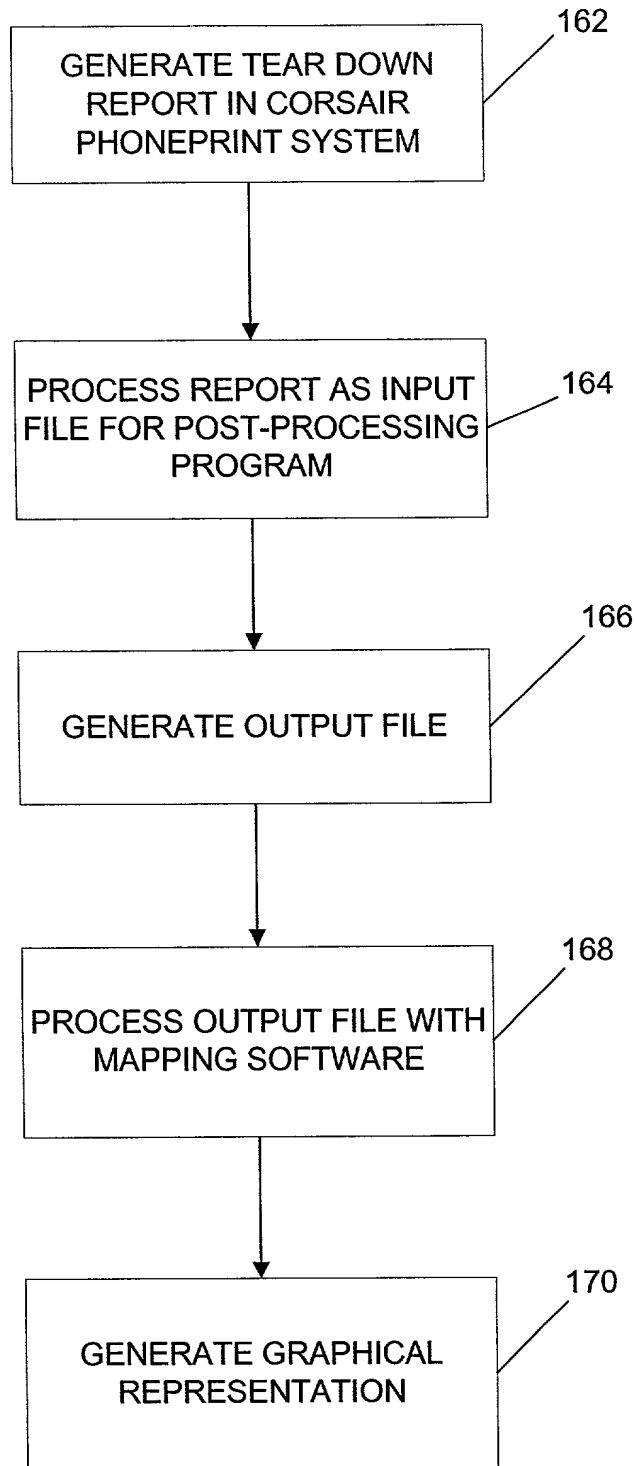


FIG. 5

006222155475460

>pg pp9912.txt

Date	Time(2)	Site_ID	MIN(1)	Dialed_Digits	Tear-Down_Reason	
12/25/99	19:26:09	20		2012075854	12014981322	MFG
12/23/99	14:56:20	219		2012075854	5617767114	MFG
12/26/99	21:40:32	167		2012130072	19547814445	MFG
12/23/99	19:06:49	82		2012134416	9544289147	MFG
12/23/99	19:06:23	82		2012134416	9544289147	MFG
12/25/99	17:23:55	82		2012134416	9544285083	MFG
12/25/99	15:06:20	82		2012134416	2015680907	MFG
12/25/99	13:04:16	82		2012134416	2015680907	MFG
12/25/99	13:04:05	82		2012134416	2015680907	MFG
12/25/99	13:03:53	82		2012134416	2015680907	MFG
12/25/99	13:03:31	82		2012134416	2015680907	MFG
12/25/99	13:01:49	82		2012134416	2015680907	MFG
12/25/99	12:53:38	82		2012134416	2015680907	MFG
12/25/99	12:52:32	82		2012134416	2015680907	MFG
12/25/99	12:52:03	82		2012134416	2015680907	MFG
12/25/99	12:50:48	82		2012134416	2015680907	MFG
12/25/99	12:48:15	82		2012134416	2015680907	MFG
12/25/99	12:47:16	82		2012134416	5680907 MFG	
12/24/99	11:58:50	82		2012134416	8003328463	MFG
12/24/99	11:58:08	82		2012134416	8003328463	MFG
12/24/99	10:03:16	82		2012134416	9544289147	MFG
12/22/99	14:58:09	80		2012300764	19546467166	MFG
12/29/99	10:54:28	177		2012400657	19086881800	MFG
12/29/99	10:51:49	177		2012400657	9412503698	MFG
12/29/99	10:25:04	145		2012400657	12012400657	MFG
12/29/99	10:24:42	145		2012400657	12012400657	MFG
12/27/99	21:26:01	49		2012476225	15616551115	MFG
12/24/99	19:22:48	219		2012476225	15615551212	MFG
12/24/99	19:22:26	219		2012476225	15615551212	MFG
12/24/99	19:22:06	219		2012476225	15615551212	MFG
12/24/99	19:13:38	219		2012476225	5617950022	MFG
12/27/99	12:01:06	20		2012476225	15614996976	MFG
12/23/99	16:23:47	12		2012640686	3105152822	MFG
12/23/99	16:17:19	12		2012640686	3105152822	MFG
12/23/99	16:17:03	12		2012640686	3105152822	MFG

FIG. 6

```

>pg map1293
ECP,CellNo,Longitude,Latitude,Count
4,1,-80.1675,26.155278,148
3,5,-80.361111,25.699444,209
1,6,-80.171667,26.36.675
1,7,-80.114167,26.562778,173
1,8,-80.109722,26.760556,76
3,9,-80.317222,25.679444,311
3,10,-80.266667,25.747222,115
4,12,-80.29,26.183333,268
3,13,-80.422778,25.526111,164
4,15,-80.123056,25.854167,510
4,16,-80.198611,26.248889,401
1,18,-80.088889,26.45,380
1,20,-80.058611,26.651944,216
4,22,-80.210833,25.848611,138
4,23,-80.128889,26.085833,844
4,25,-80.288889,25.845556,55
1,26,-80.201111,26.630833,251
4,27,-80.204722,25.93,590
3,28,-80.360833,25.596667,255
3,29,-80.333889,25.649444,584
4,30,-80.415,26.086389,207
4,31,-80.175833,26.121944,128
1,37,-80.681389,26.686667,213
4,40,-80.364444,25.828333,156
4,42,-80.286944,25.920556,147
4,43,-80.168056,26.024722,333
3,46,-80.129167,25.793611,2694
3,47,-80.238611,25.811389,121
1,49,-80.051667,26.711944,381
4,50,-80.160556,25.908611,187
4,52,-80.26,26.121667,456
4,53,-80.105556,26.136389,501
3,54,-80.383333,25.653056,81
4,55,-80.249444,26.268333,314
3,56,-80.294722,25.703889,184
3,57,-80.315,25.808333,21
3,58,-80.265278,25.788333,267
4,60,-80.25,25.891667,205
4,61,-80.090833,26.230278,147
4,64,-80.211667,26.0175,595

```

FIG. 7

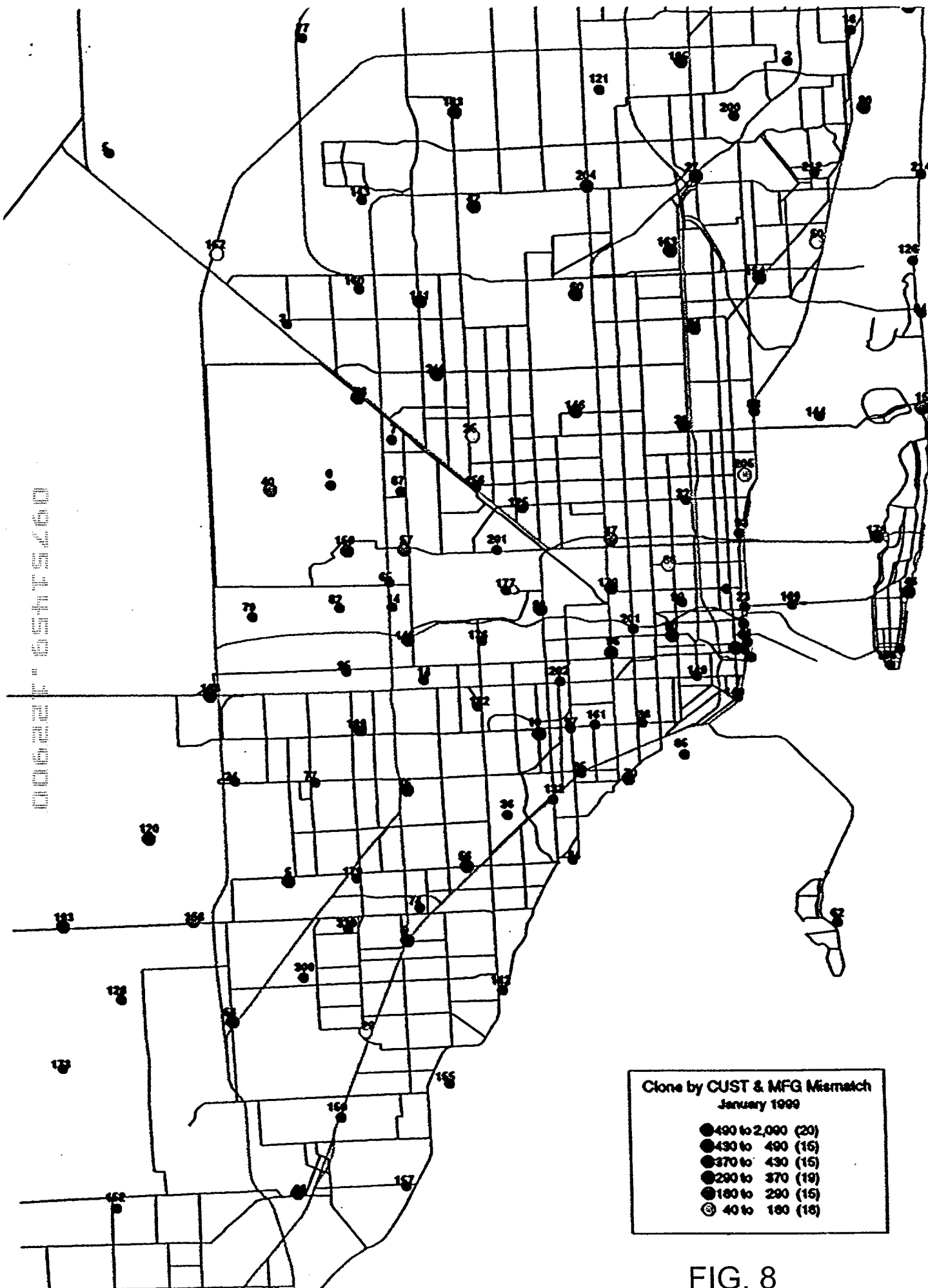


FIG. 8



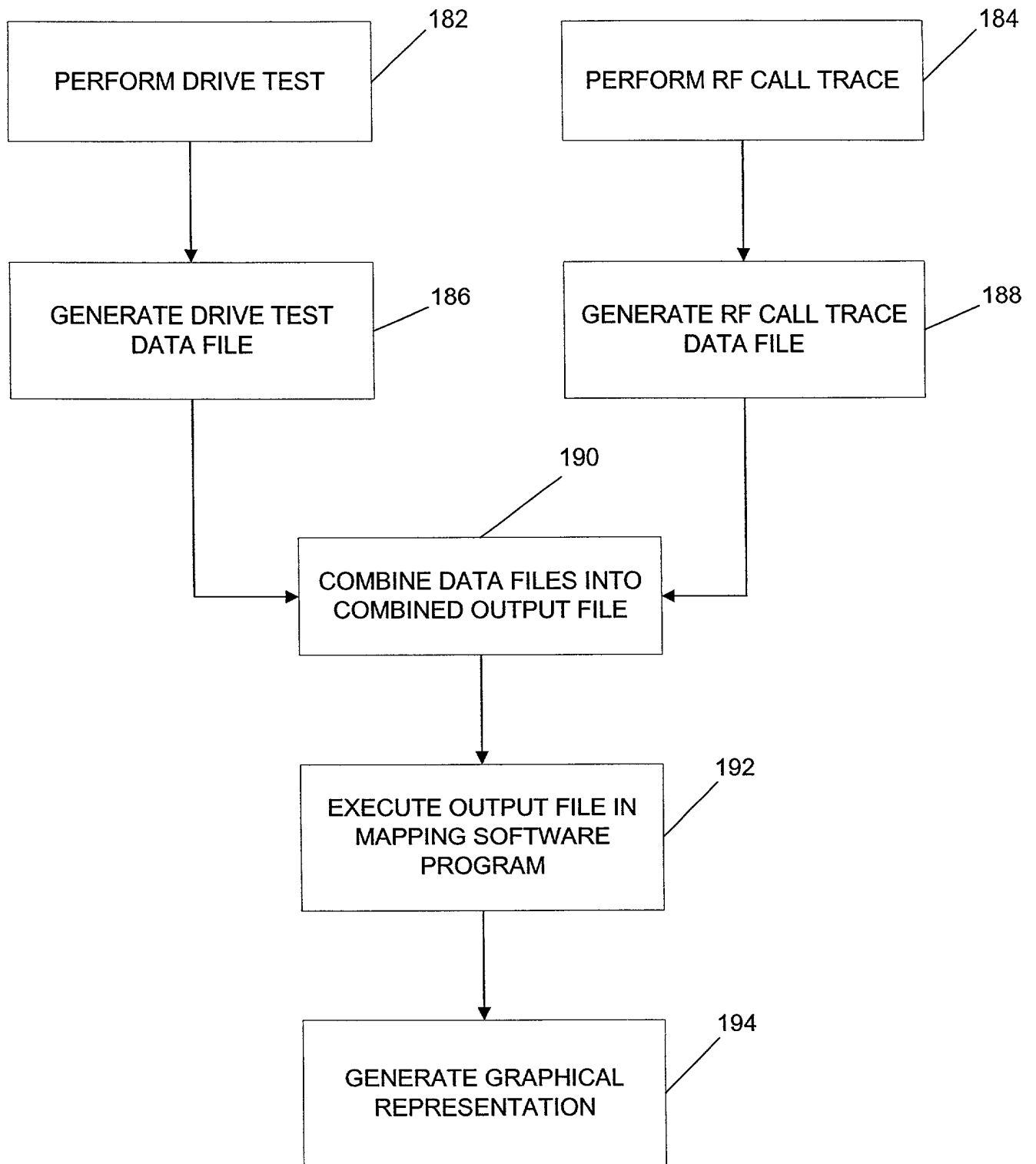


FIG. 9

SAMPLE Ericsson log

MOBILE TELEPHONY CELL TRAFFIC RECORDING  
DIGITAL SIGNAL STRENGTH MEASUREMENTS

MSNB	CELL	DEV	SSFVC	SSRVC
9412580201	T017C	MDVC-1060	23	20
SSSTRVC	BERFVC	BERRVC	RBERRVC	FERRVC
6	3	2	2	0
BQRC	TDRVC	FREQERR	TIMEALIGN	MSPOW
15	0	1	0	2
NCELL	NSSFFMC	MEASCHAN	VIND	
T017A	5	1260	Y	
T017B	23	1272	Y	
T006B	17	1300	Y	
T016B	13	1305	Y	
T004A	29	1251	Y	
T005B	33	1302	Y	
T005A	23	1290	Y	
T018A	21	1294	Y	
T154B	21	1303	Y	
TIME	PRINTIND	FCODE		
11:08:27	0			

END

MOBILE TELEPHONY CELL TRAFFIC RECORDING CANDIDATE LIST FOR  
HANDOFF

MSNB	CELL	TIME	FCODE	URGENCY
9412580201	T017C	11:08:27		0
CANDCELL	CELLTYPE	NTYPE	RATING	
T005B	0	STD		0

END

FIG. 10

Variable	Mean	SD	Min	Max
Age	34.5	10.5	18	65
Gender	Male			
Marital status	Married			
Education	High school			
Occupation	Teacher			
Income	1000			
Health status	Good			
Smoking status	Non-smoker			
Alcohol consumption	None			
Exercise frequency	Once a week			
Stress level	Low			
Sleep quality	Good			
Dietary habits	Healthy			
Family size	3			
Religious beliefs	Religious			
Community involvement	Active			
Life satisfaction	High			
Work-life balance	Good			
Financial stability	Stable			
Healthcare access	Good			
Environmental quality	Good			
Transportation	Good			
Public services	Good			
Crime rate	Low			
Weather	Good			
Proximity to nature	Good			
Urban vs. rural	Urban			
Population density	High			
Infrastructure	Good			
Quality of life	High			
Overall well-being	High			

Variable	Mean	SD	Min	Max
Age	34.5	10.5	18	65
Gender	Male			
Marital status	Married			
Education	High school			
Occupation	Teacher			
Income	1000			
Health status	Good			
Smoking status	Non-smoker			
Alcohol consumption	None			
Exercise frequency	Once a week			
Stress level	Low			
Sleep quality	Good			
Dietary habits	Healthy			
Family size	3			
Religious beliefs	Religious			
Community involvement	Active			
Life satisfaction	High			
Work-life balance	Good			
Financial stability	Stable			
Healthcare access	Good			
Environmental quality	Good			
Transportation	Good			
Public services	Good			
Crime rate	Low			
Weather	Good			
Proximity to nature	Good			
Urban vs. rural	Urban			
Population density	High			
Infrastructure	Good			
Quality of life	High			
Overall well-being	High			

Variable	Mean	SD	Min	Max
Age	34.5	10.5	18	65
Gender	Male			
Marital status	Married			
Education	High school			
Occupation	Teacher			
Income	1000			
Health status	Good			
Smoking status	Non-smoker			
Alcohol consumption	None			
Exercise frequency	Once a week			
Stress level	Low			
Sleep quality	Good			
Dietary habits	Healthy			
Family size	3			
Religious beliefs	Religious			
Community involvement	Active			
Life satisfaction	High			
Work-life balance	Good			
Financial stability	Stable			
Healthcare access	Good			
Environmental quality	Good			
Transportation	Good			
Public services	Good			
Crime rate	Low			
Weather	Good			
Proximity to nature	Good			
Urban vs. rural	Urban			
Population density	High			
Infrastructure	Good			
Quality of life	High			
Overall well-being	High			

FT

--

R,RBER,FER,BQ,TD,FREQ,TIME,MS,PRINT  
DEV,FVC,RVC,TDRVC,FVC,RVC,RVC,RVC,RVC,RVC,ERR,ALIG

28.0069725,9412580201,T017C,MDVC-  
15,0,1,0,2,0  
28.0069725,9412580201,T017C,MDVC-  
15,0,1,0,2,0  
28.0069856,9412580201,T017C,MDVC-  
15,0,2,0,2,1  
28.0069856,9412580201,T017C,MDVC-  
15,0,2,0,2,1  
28.0070392,9412580201,T005B,MDVC-  
2,0,4,0,2,1  
28.0072014,9412580201,T005B,MDVC-  
7,0,4,0,2,1  
28.0072014,9412580201,T005B,MDVC-  
7,0,4,0,2,1  
28.0073900,9412580201,T005B,MDVC-  
8,0,3,0,2,1  
28.0073900,9412580201,T005B,MDVC-  
8,0,3,0,2,1  
28.0075761,9412580201,T005B,MDVC-  
7,0,5,0,2,1  
28.0075761,9412580201,T005B,MDVC-  
7,0,5,0,2,1  
992,9412580201,T005B

FIG. 11B

xiel\_old by FVC-118

FIG. 12

.....

13:20:01.2,25.230,-81.456

.....

.....

.....

**13.21.00.3,28.655,-81.2128**

Table 1. Demographic characteristics of the study population	
<b>Age (years)</b>	
18-24	10.0
25-34	15.0
35-44	20.0
45-54	25.0
55-64	20.0
65-74	15.0
75+	5.0
<b>Gender</b>	
Male	50.0
Female	50.0
<b>Ethnicity</b>	
White	60.0
Black	20.0
Hispanic	10.0
Asian	5.0
Other	5.0
<b>Education</b>	
High school or less	30.0
Some college	20.0
College graduate	25.0
Postgraduate	25.0
<b>Income</b>	
<\$10,000	10.0
\$10,000-\$20,000	20.0
\$20,000-\$30,000	25.0
\$30,000-\$40,000	20.0
>\$40,000	25.0
<b>Marital status</b>	
Married	55.0
Single	20.0
Divorced	15.0
Widowed	10.0
<b>Health status</b>	
Good	60.0
Fair	20.0
Poor	20.0

FIG. 13A

00622T 6545260

Time,Long,Lat,CellNo,SS,  
12:41:29,28.6559300,-81.205792000,1353,-124  
12:41:29,28.6559300,-81.205792000,201,-106  
12:41:29,28.6559300,-81.205792000,32,-106  
12:41:29,28.6559300,-81.205792000,321,-76  
12:41:29,28.6559300,-81.205792000,323,-66  
12:41:29,28.6559300,-81.205792000,831,-100  
12:41:30,28.6559260,-81.205580000,323,-66  
12:41:31,28.6559170,-81.205380000,321,-75  
12:41:31,28.6559170,-81.205380000,321,-75  
12:41:31,28.6559170,-81.205380000,323,-64  
12:41:32,28.6559080,-81.205198000,323,-63  
12:41:33,28.6558950,-81.204922000,321,-73  
12:41:33,28.6558950,-81.204922000,323,-62  
12:41:34,28.6558900,-81.204769000,321,-73  
12:41:34,28.6558900,-81.204769000,321,-73  
12:41:34,28.6558900,-81.204769000,322,-98  
12:41:34,28.6558900,-81.204769000,323,-61  
12:41:35,28.6558900,-81.204577000,1353,-124  
12:41:35,28.6558900,-81.204577000,201,-105  
12:41:35,28.6558900,-81.204577000,202,-106  
12:41:35,28.6558900,-81.204577000,32,-105  
12:41:35,28.6558900,-81.204577000,323,-63  
12:41:35,28.6558900,-81.204577000,831,-99  
12:41:37,28.6558970,-81.204219000,321,-73  
12:41:37,28.6558970,-81.204219000,323,-67  
12:41:38,28.6559000,-81.204044000,321,-74  
12:41:38,28.6559000,-81.204044000,323,-67  
12:41:38,28.6559000,-81.204044000,321,-74  
12:41:38,28.6559000,-81.204044000,323,-67  
12:41:40,28.6559020,-81.203683000,1353,-122  
12:41:40,28.6559020,-81.203683000,202,-104  
12:41:40,28.6559020,-81.203683000,32,-105  
12:41:40,28.6559020,-81.203683000,321,-73  
12:41:40,28.6559020,-81.203683000,322,-96  
12:41:40,28.6559020,-81.203683000,323,-67  
12:41:41,28.6559070,-81.203457000,321,-72  
12:41:41,28.6559070,-81.203457000,323,-66  
12:41:42,28.6559100,-81.203125000,321,-71  
12:41:42,28.6559100,-81.203125000,323,-66

FIG. 13B

05/10/99 13:22:05 ALM INF 4103 7 32 G TC 457  
 Call Monitor: Call Record has been Written in RAM disk  
 Ph#: (407)9223002 Call clear by MS - mobile clear

05/10/99 13:22:04 ALM INF 4113 7 32 G TC 457  
 Call Monitor: Call RSSI value  
 (407)9223002 cell 323 rrssi -77 attn 4 snr 40

05/10/99 13:22:04 ALM INF 4117 7 32 G SRC  
 Call Monitor: Adj. cell RSSI values from Scanning Rcvr.  
 (407)9223002 Cell\_id/RSSI: 323 / -73

05/10/99 13:21:00 ALM INF 4117 7 20 A SRC  
 Call Monitor: Adj. cell RSSI values from Scanning Rcvr.  
 (407)9223002 Cell\_id/RSSI: 201 / -98

05/10/99 13:21:00 ALM INF 4117 7 32 B SRC  
 Call Monitor: Adj. cell RSSI values from Scanning Rcvr.  
 (407)9223002 Cell\_id/RSSI: 322 / -103

05/10/99 13:21:00 ALM INF 4117 7 83 A SRC  
 Call Monitor: Adj. cell RSSI values from Scanning Rcvr.  
 (407)9223002 Cell\_id/RSSI: 831 / -96

05/10/99 13:21:00 ALM INF 4117 7 32 A SRC  
 Call Monitor: Adj. cell RSSI values from Scanning Rcvr.  
 (407)9223002 Cell\_id/RSSI: 321 / -78

05/10/99 13:21:00 ALM INF 4117 7 135 G SRC  
 Call Monitor: Adj. cell RSSI values from Scanning Rcvr.  
 (407)9223002 Cell\_id/RSSI: 1353 / -113

05/10/99 13:21:00 ALM INF 4117 7 20 B SRC  
 Call Monitor: Adj. cell RSSI values from Scanning Rcvr.  
 (407)9223002 Cell\_id/RSSI: 202 / -100

05/10/99 13:21:00 ALM INF 4113 7 32 G TC 457  
 Call Monitor: Call RSSI value  
 (407)9223002 cell 323 rrssi -72 attn 4 snr 40

05/10/99 13:21:00 ALM INF 4117 7 32 G SRC  
 Call Monitor: Adj. cell RSSI values from Scanning Rcvr.  
 (407)9223002 Cell\_id/RSSI: 323 / -71

05/10/99 13:21:00 ALM INF 4117 7 3 B SRC  
 Call Monitor: Adj. cell RSSI values from Scanning Rcvr.  
 (407)9223002 Cell\_id/RSSI: 32 / -115

FIG. 14



00622T" 654T5460

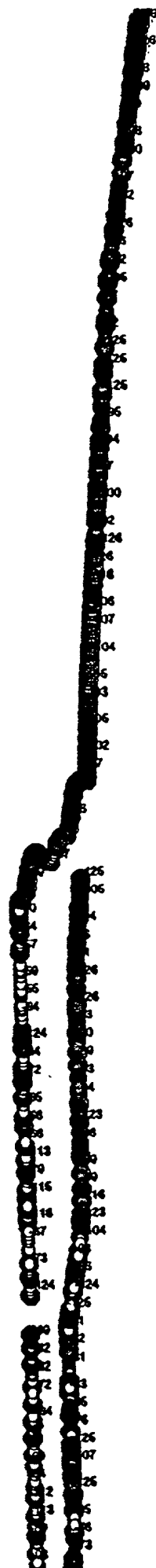


FIG. 15

